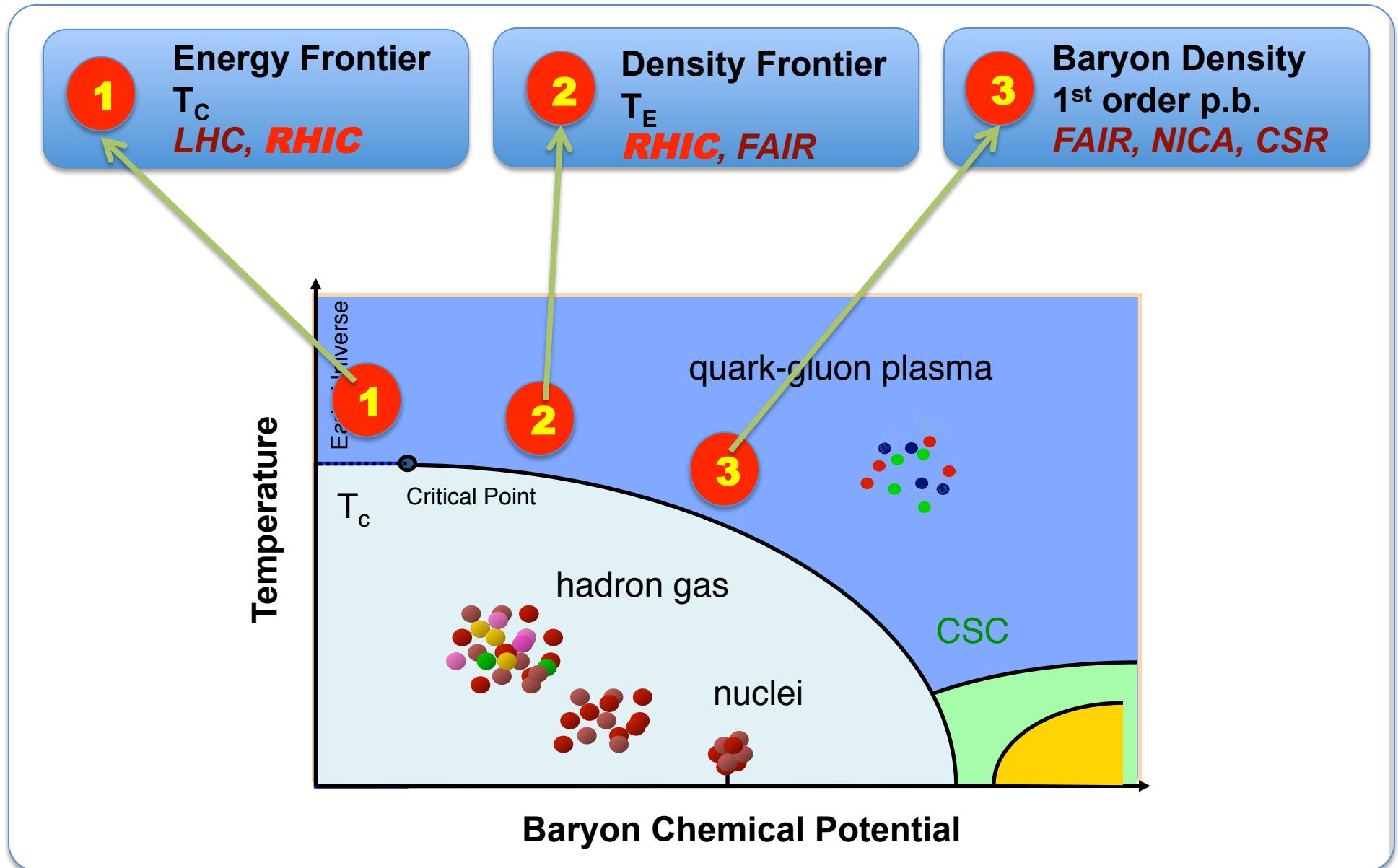
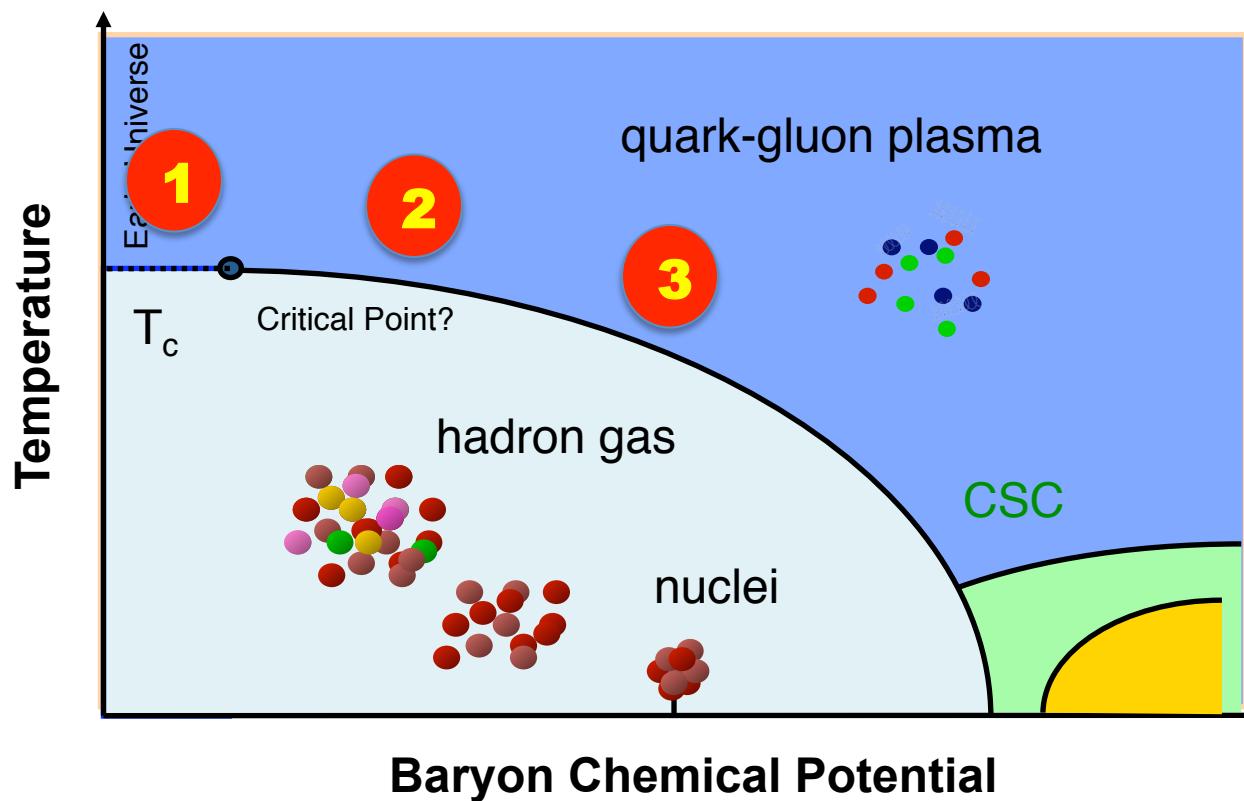


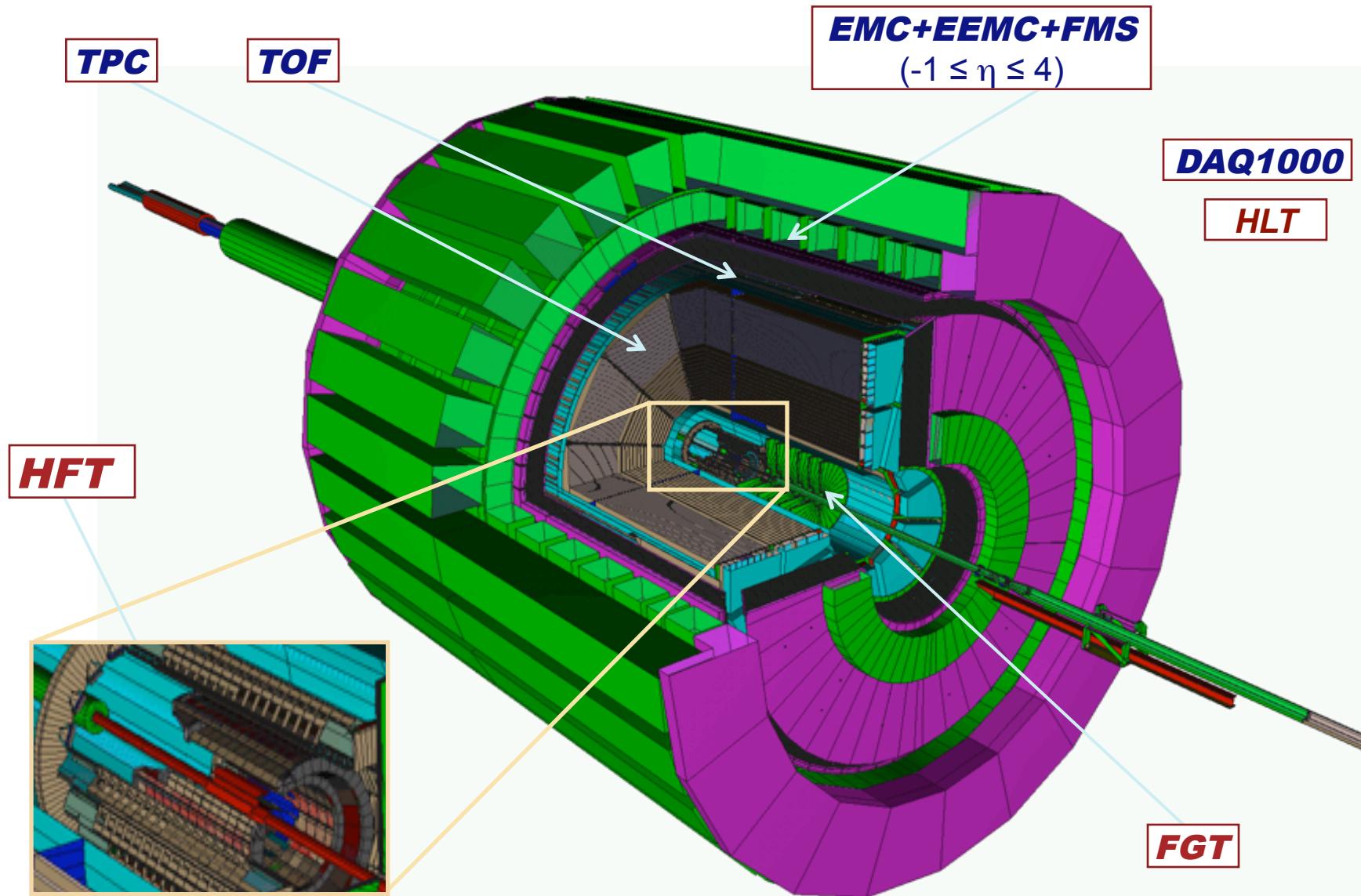
High-Energy Nuclear Collisions in 21st Century

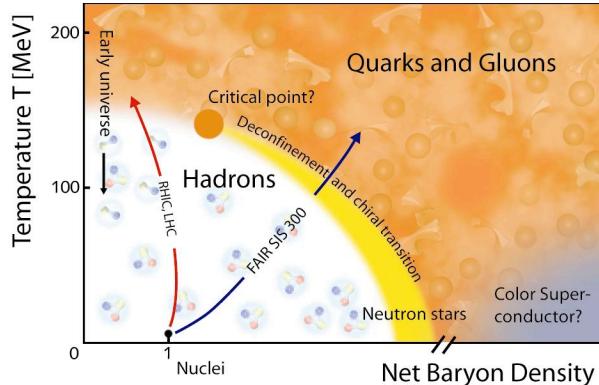


Explore the QCD landscape and the structure of the matter with partonic degrees of freedom.



STAR Detectors: Full 2π particle identification!



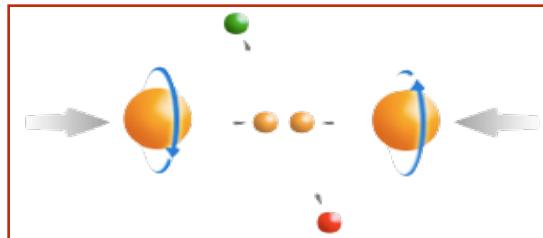


1) At 200 GeV top energy

- Study **medium properties, EoS**
- pQCD in hot and dense medium

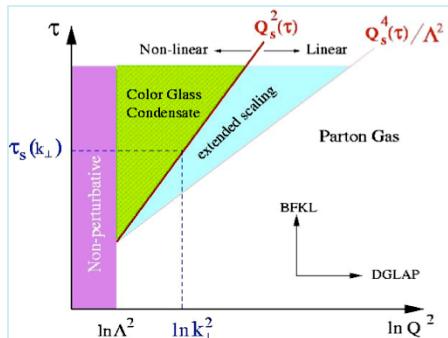
2) RHIC beam energy scan

- Search for **critical point**
- Chiral symmetry restoration



Polarized spin program

- Study **proton intrinsic properties**



Forward program

- Study low-x properties, search for **CGC**
- Study elastic (inelastic) processes (pp2pp)
- Investigate **gluonic exchanges**

The STAR Collaboration

***High-Energy Nuclear Collisions
in 21st Century***

